

Hcal Tile Tester Update: Mechanical Assembly



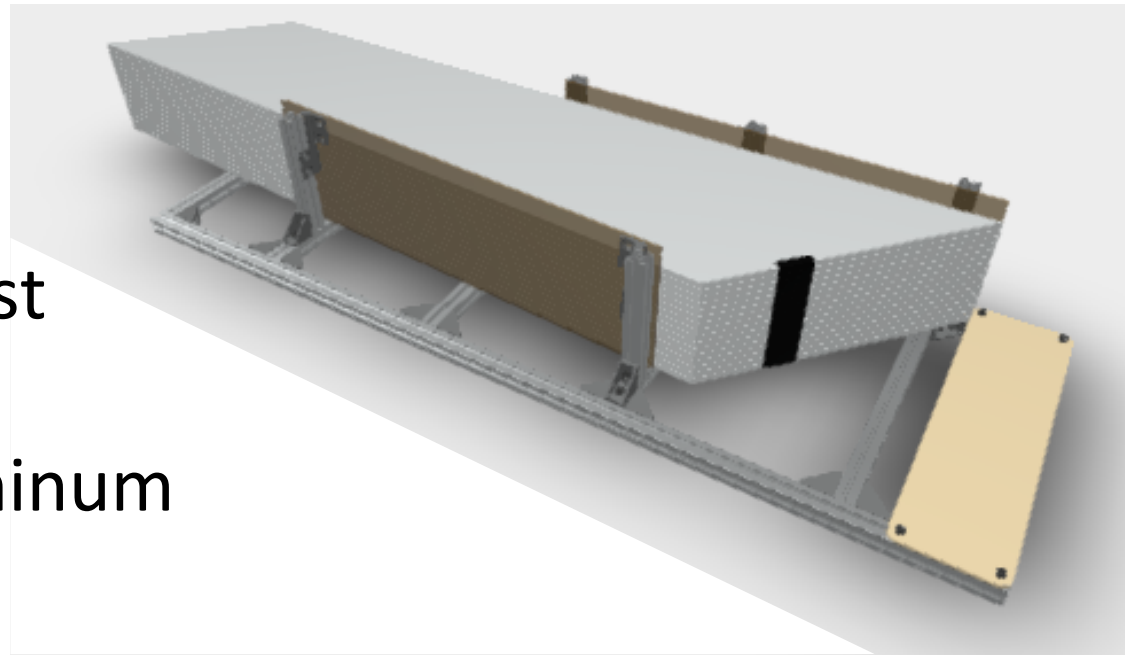
Megan Connors
for GSU and Debrecen groups

HCal Meeting
May 3, 2017



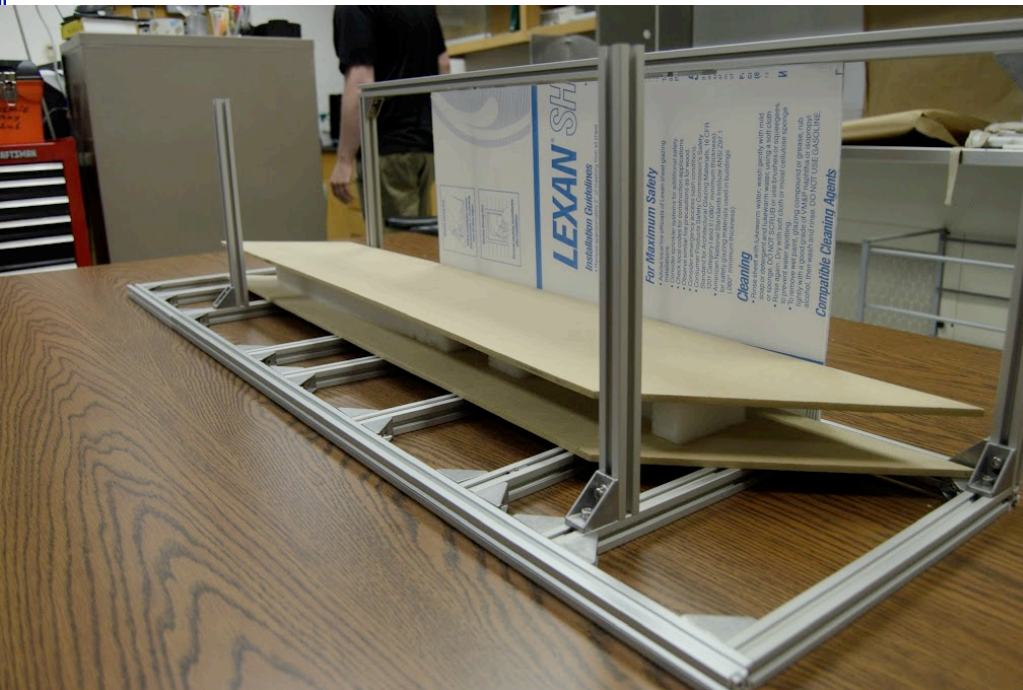
Tile Tester Assembly Design

- To be sent to Uniplast
- Fits all sized tiles
- Using extruded aluminum
 - Light weight
 - Cost efficient
- Tiles will align on one side with stationary pegs while pegs can be adjusted to align opposite side
 - Acrylic sheets along pegs to avoid single contact points
- SiPMs etc would an independent



Assembly Status

- Base support for electronics to be added
- Current height would be good for ~16 tiles
- Temporary wood/plastic demonstrates the idea for guides



Electronics

- Debrecen modifying their SiPM tester set up
 - Tamas Majoros's MS thesis:
 - https://www.phenix.bnl.gov/WWW/p/draft/david/debrecen_2017/sipm_tester/Szakdogav1_0501.pdf
- CAEN module test up to 32 tiles
 - Ordered by BNL...
- GSU electronics
- Need final design for SiPM holders to design interface between tile tester assembly and electronics